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 FILE 'REGISTRY' ENTERED AT 14:27:20 ON 24 APR 2008
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STRUCTURE FILE UPDATES: 23 APR 2008 HIGHEST RN 1016892-81-1
 DICTIONARY FILE UPDATES: 23 APR 2008 HIGHEST RN 1016892-81-1

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

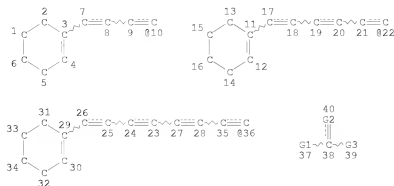
Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
 predicted properties as well as tags indicating availability of
 experimental property data in the original document. For information
 on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

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L4 STR



N~G4~N~G4~N
 041 42 043 44 45

N~G4~N~G4~N~G4~N
 046 47 048 49 50 51 52

N~G4~N~G4~N~G4~N~G4~N~G4~N
 057 56 55 54 53 58 59 60 61 62 63

VAR G1-10/22/36

VAR G2-O/S

VAR G3-41/43/46/48/57

VAR G4-AK/ID

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 63

STEREO ATTRIBUTES: NONE

L6 23 SEA FILE-REGISTRY SSS FUL L4

100.0% PROCESSED 12203 ITERATIONS

SEARCH TIME: 00.00.01

23 ANSWERS

=> b hcap
FILE 'HCAPLUS' ENTERED AT 14:27:28 ON 24 APR 2008
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FILE COVERS 1907 - 24 Apr 2008 VOL 148 ISS 17
FILE LAST UPDATED: 23 Apr 2008 (20080423/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d bib abs hitstr l9 tot

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS PROOF
ALL CITATIONS AVAILABLE IN THE RE FORMAT

-> d bib abs hitstr 115 tot

115 AUTHOR: J. DE S. HENRIQUEZ, COPYRIGHT 2019 ACS, ON SITE

AN 2082@112563 BC

77 A synthesis low density lamellar particle capable of numerous HBT

proliferation *in vitro*

CS Development of Pharmaceutical Sciences, Schollville Institute for

Biomedical Sciences, University of Strathclyde, Glasgow, G1 1RH, UK

Journal of Lipid Research (2002)
 43:1169-1176

Lipid Research, Inc.

02 Journal
36 Week 3

5A A synthetic LIG-10251 has been prepared by combining a lipid microemulsion with amphipathic peptides containing the apolipoprotein A receptor domain. The lipid properties of sLIG have been investigated using the HPLC in vitro and sLIG has been found to be stable in serum. sLIG is able to stimulate proliferation of 9373 proliferation. By utilizing different amphipathic peptides, variable proliferation is achieved, indicating a specific interaction between sLIG and the 9373 cells. The proliferation of 9373 proliferation is reduced by the addition of an anti-LIG receptor antibody, indicating that sLIG is accumulated via the LDL receptor pathway. The binding of sLIG means that of native LIG, and this approach represents a novel method of receptor targeting.

research and general application

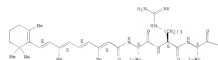
612544-02-5 612544-02-6
612544-03-7

AL-505 (Biological study, unclassified); B10L (Biological study)

proliferation in vitro

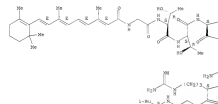
CS 1-Isucine, N-(15-acoratin-15-yl)-L-leucyl-L-arganyl-L-leucyl-L-threonyl-L-
arganyl-L-lysyl-L-arginylglycyl-L-leucyl-L-lysyl-, (18)-choleat-5-en-
-3-yl ester (SCI) (CA INDEX NAME)

Double bond geometry as shown:

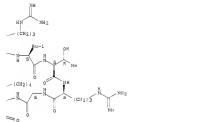


2.15 ANSWER 1 OF 8 INCADJUS COPYRIGHT 2018 ACS on 5TH (Continued)

DOI: 10.1002/for



PAGE: 2-3



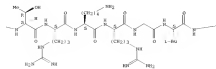
Page 2 of 8



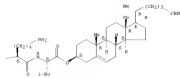
DDN 412944-02-6 HCAPILO

CS 1-serine, N-6-5-enocroton-13-yl-1-L-tyrosyl-1-L-tyrosyl-1-L-leucyl-3-
glutamylglycyl-1-L-threonyl-1-L-threonyl-1-L-arginyl-1-L-leucyl-1-L-threonyl-1-
arginyl-1-L-tyrosyl-1-arganlyglycyl-1-leucyl-1-leucyl-1-tyrosyl-1-leucyl-1-threonyl-1-
threonyl-3-phenyl-1-leucyl-, 22-(3S)-cholest-5-en-3-yl ester (SC1)
(CA INDEX NAME)

1.15. ANNEALS 1 OF 6. INCURRED COPYRIGHT 2009 ACS. ON 3/11/11. (C09E10949)



PAGE 1-C



BS 412944-01-5 HCAPLOD

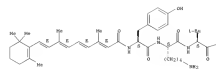
CN L-leucine, N-(15-cyclohexyl-15-ylglycyl-L-threonyl-L-threonyl-L-arginyl-L-leucyl-L-threonyl-L-arginyl-L-lysyl-L-arginylglycyl-L-leucyl-L-lysyl-
(SCL) (CA INDEX NAME)

Absolute stereochemistry,
Double bond geometry as shown.

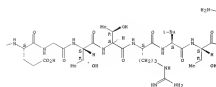
135 ANSWER 1 OF 8 BCADL36 COPYRIGHT 2008 ACS on STM (Cont.)

Double bond geometry as shown.

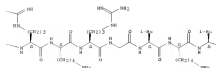
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PAGE 1-2



PAGE 10C



114 ANSWER 2 OF 8 HOMPLUS COPYRIGHT 2008 ACS on STM (CONTINUED)

PAGE 1-8

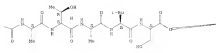


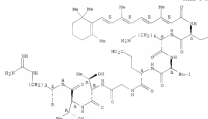
TABLE 2-10 (continued)



12244-23-7 HCA105
 1-*serine*, *N*-(15-*oxocetyl*-(*n*-15-*yl*)-1-*tyrosyl*-1-*lysyl*-3-*leucyl*-5-*valyl*-4-*glut*-*amyl*-(*glycyl*-3-*threonyl*-1-*threonyl*-1-*arginyl*-1-*leucyl*-1-*threonyl*-1-*arginyl*-1-*lysyl*-1-*arginyl*-(*glycyl*-1-*leucyl*-1-*lysyl*-3-*leucyl*-1-*alanyl*-1-*threonyl*-3-*alanyl*-1-*leucyl*)-1-*serine*)-1-*carboxylate*) (EC) (C6 THIOE NAME)

Absolute stereochemistry.
Double bond geometry as shown

PAGE 1-A



119 ANSWER 2 OF 8 NCADPUS COPYRIGHT 2018 ACS INC. 579

AN 2021-021806 HONFL

II Physicochemical properties of microemulsion analogues of low density lipoproteins containing ceruloplasmin, apolipoprotein B, apolipoprotein A, and phospholipids

CS Strathclyde Institute for Microbial Sciences, Department of

Pharmaceutical Sciences, University of Strathclyde, Glasgow, G4 0NR, UK

COHEN LIPNIZ, ESSAY

95 Elavien
96

02 Journal
2A English

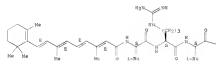
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11 412944-104 412944-014 412944-092-8
 12 PL_VFP [Properties], TNU [Therapeutics use], BIO [Biological study], UMS
 13 [Uses]
 14 (microemulsion analogs of low β_2 lipoprotein containing amphipathic
 15 apoprotein B receptor sequences)

CS 1-Leucine, N-[(1S-seoretin-1S-yl)-L-leucyl-L-arganyl-L-leucyl-L-threonyl-
arganyl-L-lysyl-L-arganylglycyl-L-leucyl-L-lysyl-, (3R)-cholest-5-en-
3-yl ester (PCI) (CA 33068 NAME)

Absolute stereochemistry,
Double bond geometry as shown.

DATE: 2-1-81

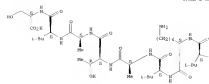


115 AUTHOR 1 OF 6 INCIPIS COPYRIGHT 2009 ACS OR BTH (00610440)

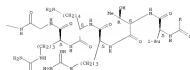
伊和信家 五十一歳



张和合 2011



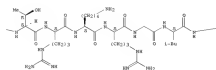
PAGES 12-13



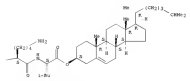
RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS PEOPLE
ALL CITATIONS AVAILABLE IN THE RE FORMAT

1.15 ANSWER 2 OF 8 INCAPABLE COPYRIGHT 2008 ACS on 5TH (Continued)

PAGE 1-8



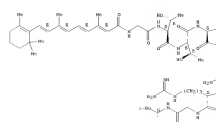
PAGE 1-C



UN 42944-01-6 HCAPLON
 CH L-leucine, N-(15-choretin-15-yl)glycyl-L-threonyl-L-threonyl-L-arginyl-L-leucyl-L-threonyl-L-arginyl-L-lysyl-L-arginylglycyl-L-leucyl-L-lysyl-
 -OH
 CAS 1444-14-4

Absolute stereochemistry.
Double bond geometry as shown.

PAGE 108



3.15. ANSWERS 4 OF 6 INCORRECT. COPYRIGHT 2018 ACS, CO. LTD.

AN 1949:478604 NCARLAS
Correction of: 1948:552347
DS 121:78604
Correction of: 101:152347



LA English					
FBI-OUT 7					
PAYMENT NO.	KIND	DATE	APPLICATION NO.	DATE	

9C	95-----6322341	A	19828330	198605-86091241	19901602
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	95-----6249466	A	19828914	198105-86022672	19810126
	95-----59795	A2	19828505	1981ED-860108796	19811023
	95-----52256	A3	19828804		

EP-----50936	B1	19941227	
R: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE			
AT-----10933	7	19950115	1991AT-340108/96
CH-----101447	A3	19950806	1991CH-340308/06

JP-----57114554	A	19428716	198149-460172654	19911627
JP-----83025437	B	19918405		
US-----4458878	A	19868703	198205-460377841	19928513

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05-----4539155	A	19858903	198205-860515590	19838721

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198105-000229072	A	19810120	<--
198105-000108796	A	19811023	<--
198205-000377841	A2	19820513	<--

AB FR-593154 substance-related peptides I (R = H, acyl); R1 = H, Me, CH₂Me, CH₂Ph, (unprotected CH₂OH); R2 = H (unprotected CO₂H, COMe, R3 =

(*sn*)protected meso- or dicarboxylalkyl, R3 = H, alkyl(i), R4 = H
 (*sn*)protected OCH2, OCH2CH2; R5 = H, HED-protective group; n = 0-2; m =
 1-3) were prepared. Thus, meso-diaminopimelic acid 12 (2 = HEDCH2CH2, R6 =
 HEDCH2CH2) was coupled with *N*-Ede-OSu(18) to give ketide 12 (18 = 2, R6 =

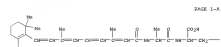
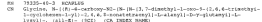
CH₂Ph), which was deprotected by hydrogenolysis to give III (85% = 85% H₂). The latter was coupled with Ac-D-Lac-Gly-D-Glu-OCH₂Ph (Lac = lactic acid residue) to give peptide IV, which was deprotected by hydrogenolysis, ammonification, and acidolysis by CH₃COOH and then treated with 0.1M NaOH to give the final product, peptide I.

Na metaperiodate to give branched peptide V. Numerous other I analogs were prepared. I was shown to enhance immune response and can be used treat infectious diseases.

118 ANSWER 4 OF 8 8/24/2015 03:20:15 PM 2015 MSN on STM (Continued)



PAGE 1-8



PAGE 1-8



PAGE 1-8

$$\begin{array}{c} \text{O} \\ \parallel \\ \text{---CH}_2\text{---C---NH---CH---(CH}_2\text{)}_3\text{---CH---CO}_2\text{H} \\ | \\ \text{C---NH---CH}_2\text{---CO}_2\text{H} \end{array}$$

[illegible]

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3.15. ANSWER: 5. THE 6. INCREASED COMPETITION 2009 ACS ON 3TH (CODE:100000)

[illegible]

78115-36-70 19855-15-5P
 RL: SAC (Biological activity or effector, except address); SM: (Biological study, unclassified); SYN (Synthetic preparation); SIG (Biological study); PREP (Preparation)
 (explanation of... as immunostimulant)

CE D-Alanine, N-[(R)-6-carboxy-HL-[(R)-[R-], 3-dimethyl-1-oxo-5-(2,4,6-trimethyl-1-cyclohexen-1-yl)-2,4,6,8-nonatetraseryl]-L-alanyl]-D-tyrosinyl-L-leucyl-, (all-R)- (SCI) (CA INDEX NAME)

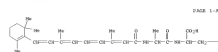
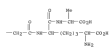
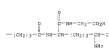
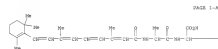


PLATE 3.18



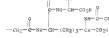
IX	119655-15-5	WCAPLUS
CS	D-Norvaline, N-[3,7-dimethyl-1-oxo-5-(2,6,6-trimethyl-1-cyclohexen-1-yl)-2,4,6,8-tetramethyl-5-allyl-5-allyl-5-carboxy-, (2S,1')-amide with (E)-6-carboxy-5-lypylglycine, (all-R)- (3CE) (CA INDEX NAME)	

115 ANSWER 5 OF 8 INCARCUS COPYRIGHT 2018 ACS no. 5TH (Continued)



12	79335-35-49 79335-35-29
	PL 8095 (Synthetic preparation) PREP (Preparation)
	(preparation of, as immunologic intermediate)
NS	79335-35-6 809395
CS	D-Alanine, N-[N]-(2-carboxy-2H)-N-[N]-[3,3-dimethyl-1-oxo-5-(2,4,6-triazine-1-yl)-5-oxo-2,4,6-triazine-1-yl]-2,5,6,8-tetraazepyl-1-yl-alanyl-D-tyl-glutamyl-106-(trifluoroacetyl-2-yl-1-tyl-1-yl)-, (all-E)- (SCI) (CA THREE NAME)

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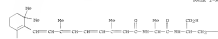


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1-cyclohexene-2-yl)-2,4,6,8-tetraoxazanyll-1-alanyl]-2-(2-allyl-2-oxo-3-oxoprop-
-4-ylideneacetyl)]-Glycyl-, [(all-E)-(1GT) (CA INDEX NAME)

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-> d bib abs hitstr 118 tot
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-> d bib abs hitstr 119 tot

[illegible]

AB The present invention relates to use of peptide containing and peptide

CAS 10262110 IS AVAILABLE FOR THIS PATIENT.
 IT 412944-02-6 852357-82-8 852357-04-7

852857-87-2
(s22) particle containing; use of peptide-coexisting and peptide-free synthetic
low d- lipoprotein particles as cell growth supplement in mammalian

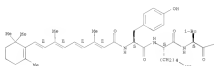
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glutamylglycyl-1-threonyl-1-threonyl-1-arginyl-1-leucyl-1-threonyl-2-
arginyl-1-lysyl-1-argnylglycyl-3-leucyl-1-lysyl-1-leucyl-1-alanyl-3-

 threonyl-l-alanyl-l-leucyl-, (CA INDEX NAME) |

Absolute stereochemistry—

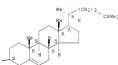
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PAGE 1-5

319 ANSWER 2 OF 4 USPAIFEL on SYN (Continued)

PAGE 1-8

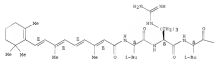


EN 052187-02-9 UGAPATULL
DE 1-Lecithin, N-[16-acetate-(16-yl)-L-leucyl-L-arginyl-L-leucyl-L-threonyl-L-
arginyl-L-lysyl-L-arginyllglycyl-L-leucyl-L-leucyl-, (3β)-cholest-5-
en-3-yl ester (SCI) (CA INDEX NAME)

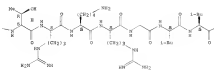
Absolute stereochemistry:

Double bond geometry as shown

譯者: 王 曉 2008



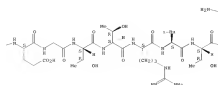
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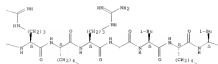
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119 ANSWER 1 OF 4 GIBATFELD OR STN (Continued)

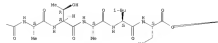
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PAGE 1-5



PAGE 1-5



3:19 ANSWER 3 OF 4 US947FELL on IDS (Continued)

PAGE 1-C



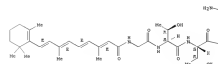
MS 851267-84-7 UNPAIDFULL
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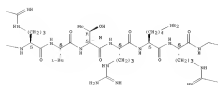
2016-05-10 10:10:10

Absolute stereochemistry,
double bond geometry as shown

SPACE 2-4



PAGE 1-8



(Cont'd. from p. 646)



PAGE 1-1

Absolute stereochemistry-
Double bond geometry as shown

PAGE 1-8

(c) (5) DPP.



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PAGE 1-1

TT	MICROPARTICLES		
IN	Halbert, Gavin William, Glasgow, UNITED KINGDOM		
PT	06-20070144317	A1	20070119
AI	200308-032169650	A1	20040827 (16)
	200400-083103679		20040827
			20079205 PCI 371 data
WPAI	200308-032102048	20030820	

CAS INDEXING IS AVAILABLE FOR THIS PATENT

CAS INDEXING IS AVAILABLE FOR THIS PATENT

IT 412944-86-4 412944-01-5 412944-92-6
(microparticles for binding to cell surface receptor)

Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-1

PAGE 1-1

319 ANSWER 2 OF 6 USPATFILL ON SITE (COPY & PASTE)

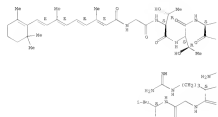
TABLE 1-2



CS 1-leucine, 8-115-norretin-35-ylglycyl-3-threonyl-1-threonyl-1-arginyl-1-
leucyl-3-threonyl-1-arginyl-1-lysyl-6-arginylglycyl-3-leucyl-5-lysyl-
(921) (CA 2392 NAME)

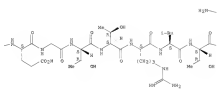
Absolute stereochemistry,
possible bond geometry as shown.

PAGE 1-A.

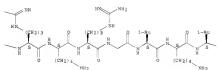


319 ANSWER 2 OF 4 USWATFLL on SIN (Continued)

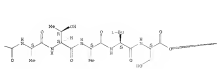
PASS 1-8



PAGE 1-C

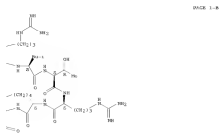


PAGE 1-0

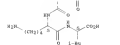


119 ANSWER 2 OF 4 USPATFILL OR NTH (CONCL:BAD)

SPACE 3-8.



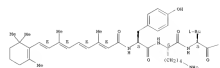
PAGE 2-A



612944-02-6 UNSATFULL
 CN 1-serine, N-(15-norretin-15-yl)-L-tyrosyl-L-tyrosyl-L-leucyl-L-arginylglycyl-L-threonyl-L-threonyl-L-threonyl-L-arginyl-L-leucyl-L-threonyl-L-arginyl-L-tyrosyl-L-arginylglycyl-L-leucyl-L-tyrosyl-L-leucyl-L-leucyl-L-leucyl-L-threonyl-L-alanyl-L-leucyl-, 12-(24)-cholest-5-en-1-yl ester (3CI)
 (CA [INDEX NAME])

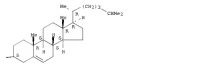
Absolute stereochemistry.
Double bond geometry as shown.

PAGE 1-B.



119 ANSWER 2 OF 4 65491FWL on GDS (Continued)

PAGE 1-B.



PAGE 1-A

 PAGE 1-B


[illegible]

PAGE 1-3

Chemical structure of a long-chain molecule, likely a polyene derivative, featuring a cycloheptene ring substituted with two methyl groups (Me) and a long chain containing alternating double bonds and methyl groups, terminating in a carboxylic acid group (CO₂H).

-> d his

```

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L1      1 US20060189696/PN

FILE 'REGISTRY' ENTERED AT 14:05:52 ON 24 APR 2008

FILE 'HCAPLUS' ENTERED AT 14:05:52 ON 24 APR 2008
L2      TRA L1 1- RN :      39 TERMS

FILE 'REGISTRY' ENTERED AT 14:05:53 ON 24 APR 2008
L3      39 SEA L2

FILE 'REGISTRY' ENTERED AT 14:06:05 ON 24 APR 2008
L4      STR
L5      2 L4
L6      23 L4 FULL
          SAV TEM L6 J905C1/A
L7      5 L6 AND L3
L8      18 L6 NOT L7

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L10     11 L8
L11     8 L10 AND (PD<-20020822 OR AD<-20020822 OR PRD<-20020822)
L12     7 L10 AND PD<-20010822
L13     3 L10 NOT L11-12
          SEL HIT RN L13

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L14     6 E1-6

FILE 'HCAPLUS' ENTERED AT 14:21:21 ON 24 APR 2008
L15     8 L11-12
          SEL HIT RN

FILE 'REGISTRY' ENTERED AT 14:21:39 ON 24 APR 2008
L16     12 E7-18

FILE 'HCAOLD' ENTERED AT 14:24:20 ON 24 APR 2008
L17     0 L6

FILE 'USPATFULL, USPATOLD, USPAT2' ENTERED AT 14:24:32 ON 24 APR 2008
L18     1 L7
L19     4 L8

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